

100

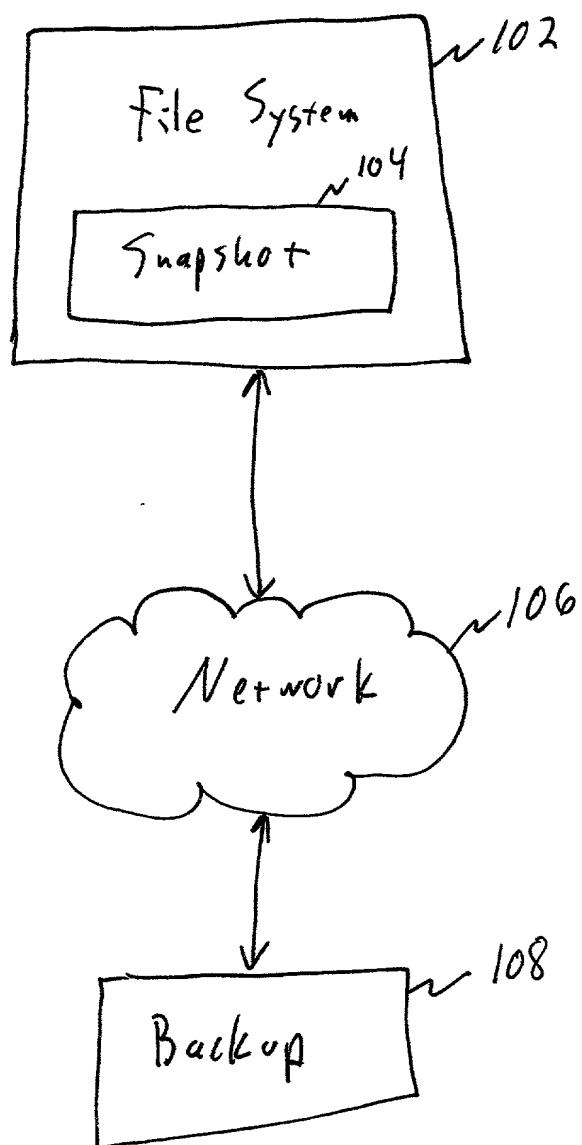


FIG.1

200

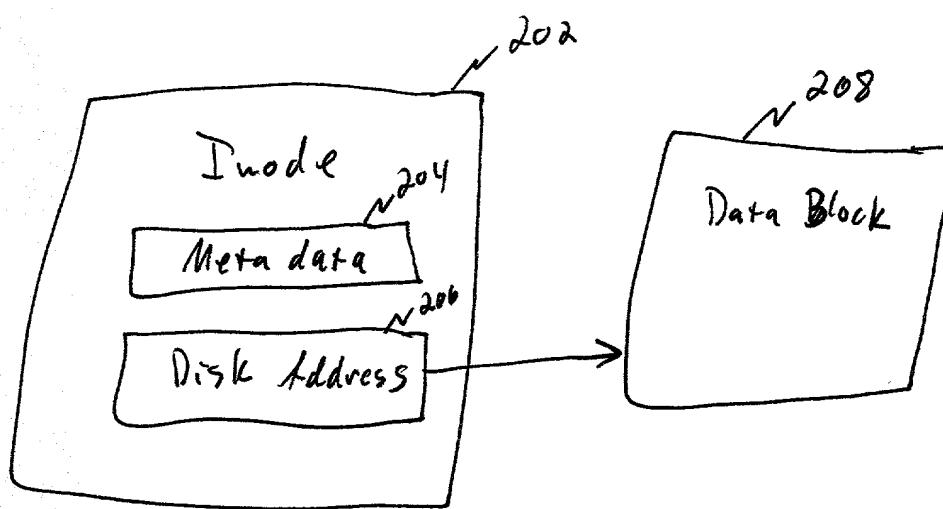


FIG. 24

250

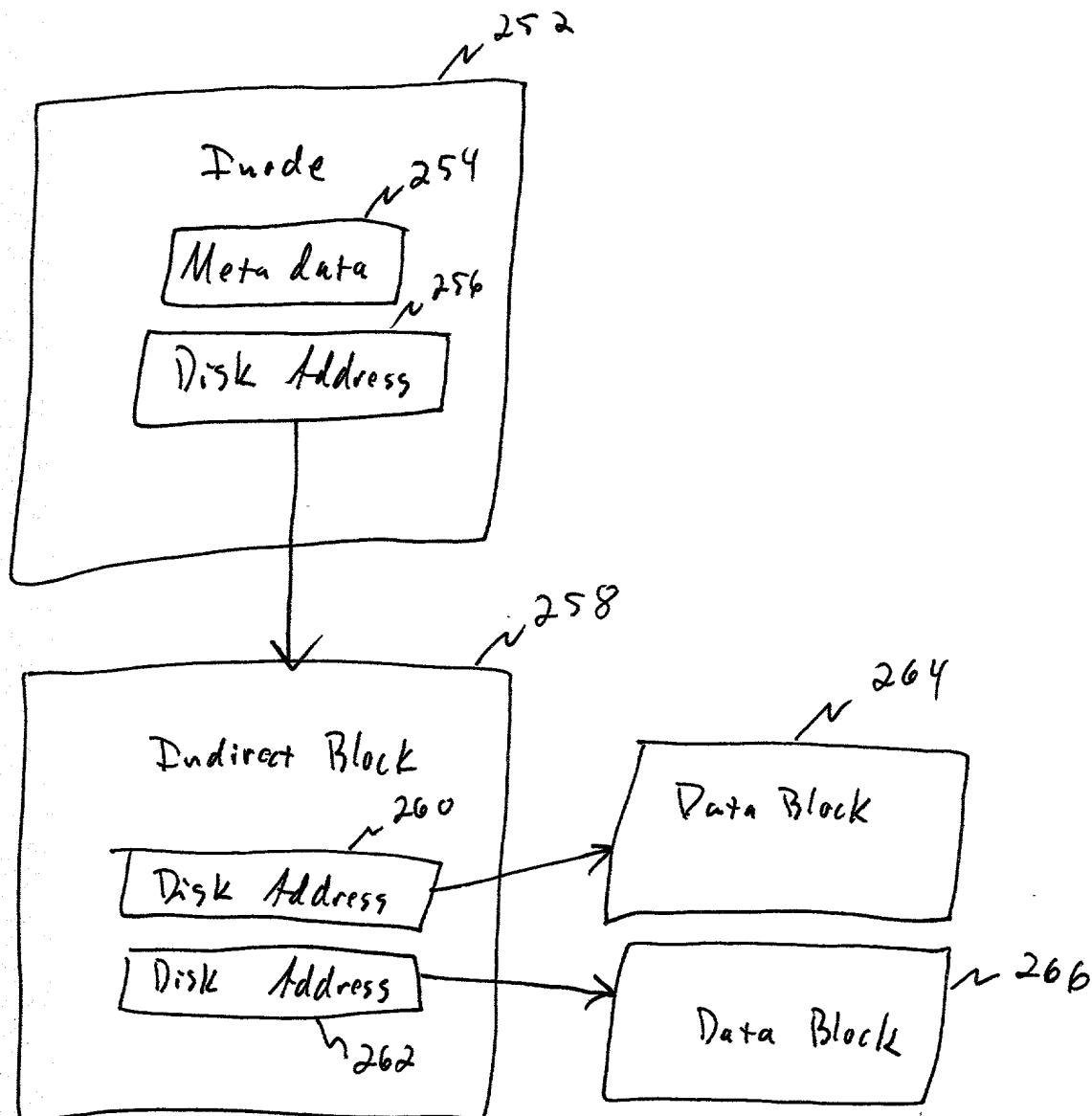


FIG. 2B

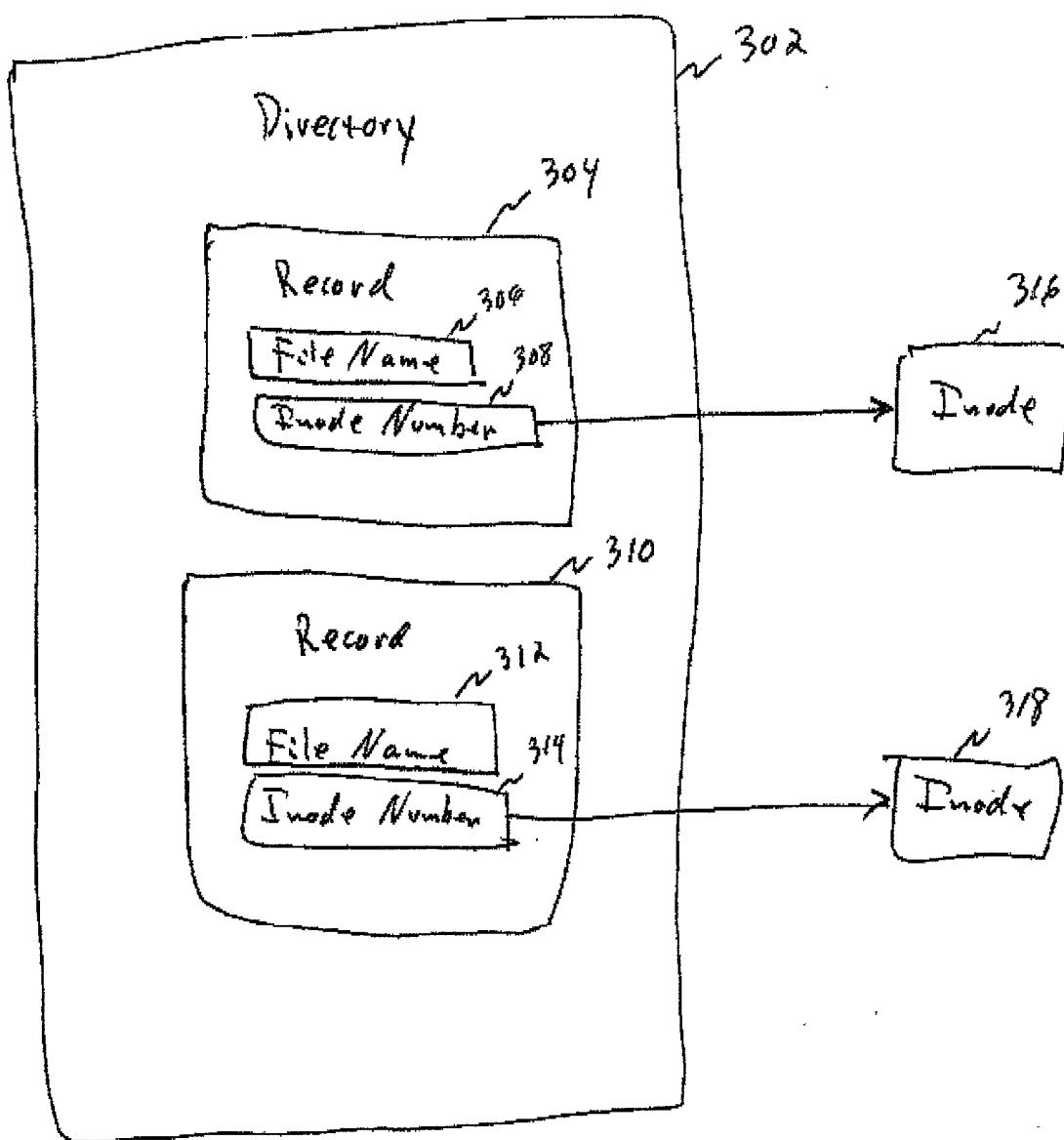


FIG. 3

400

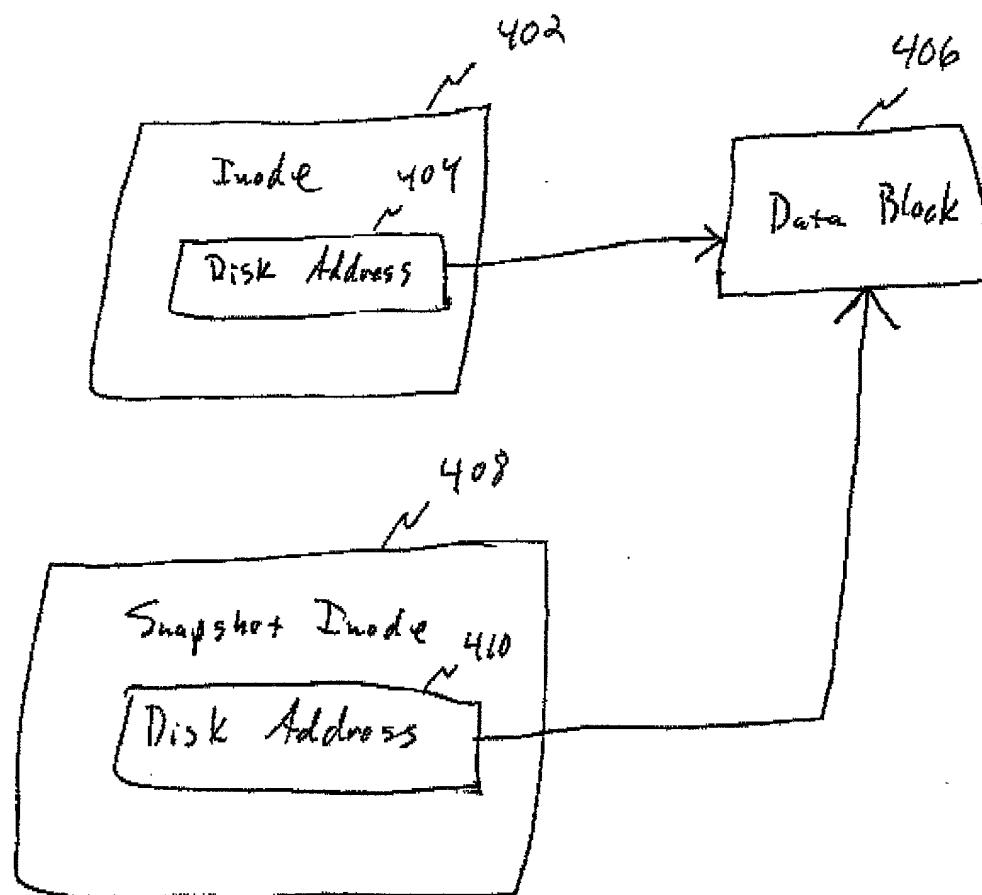


FIG. 4

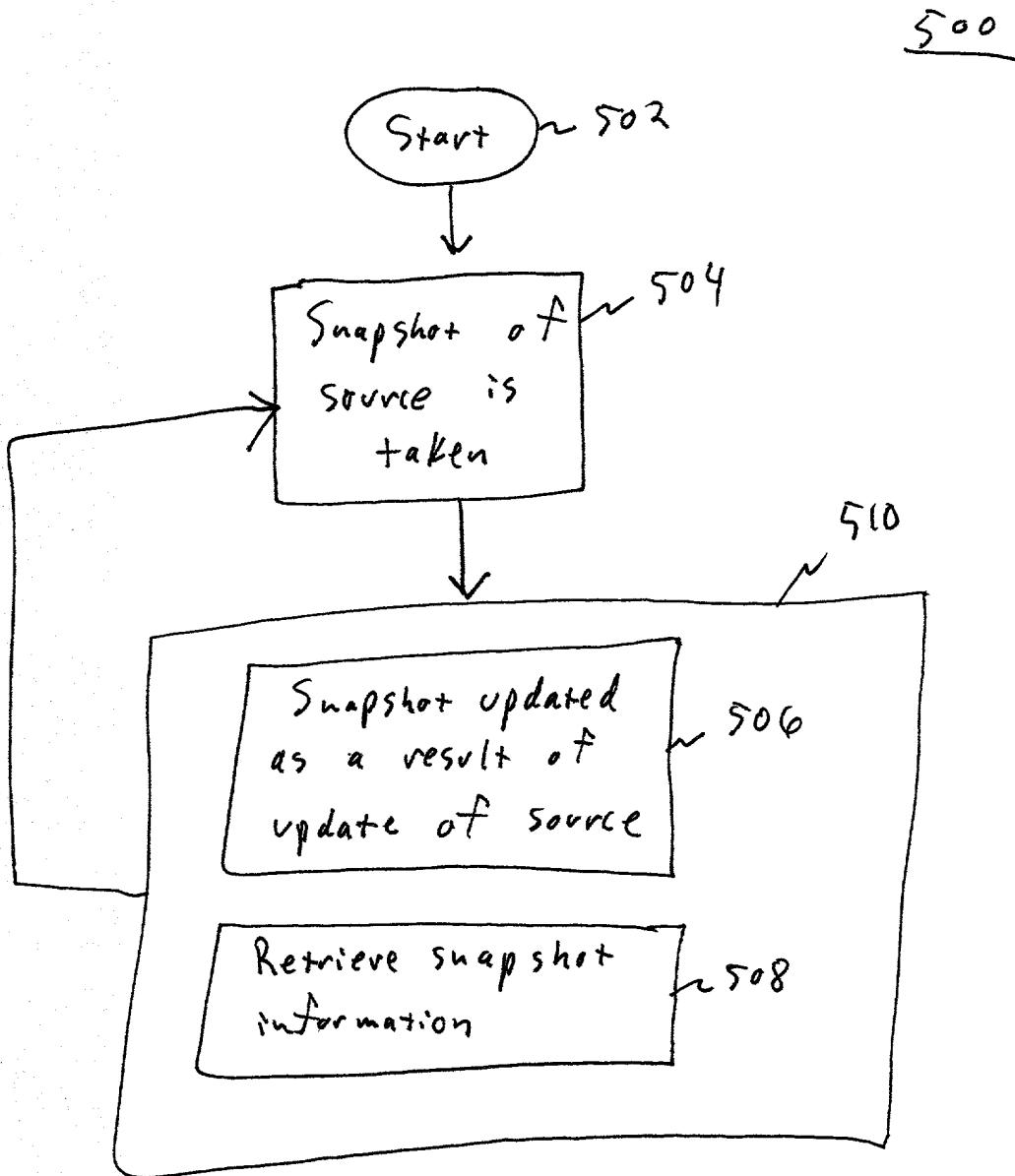


FIG. 5

600

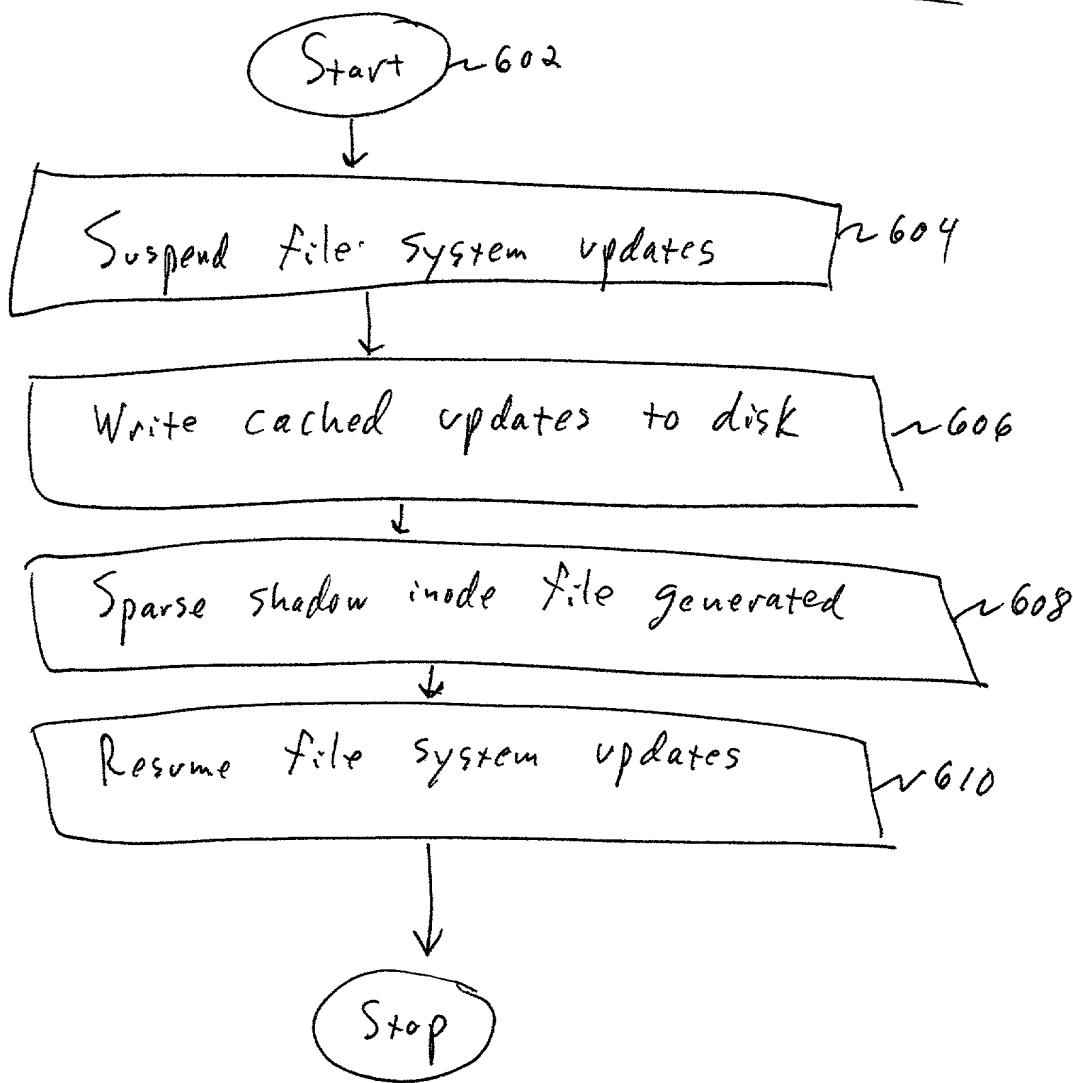


FIG. 6A

620

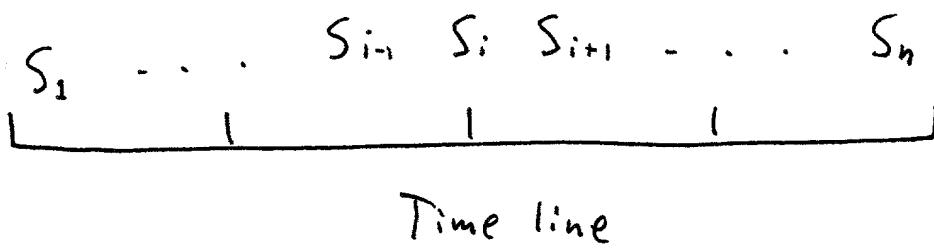


FIG. 6B

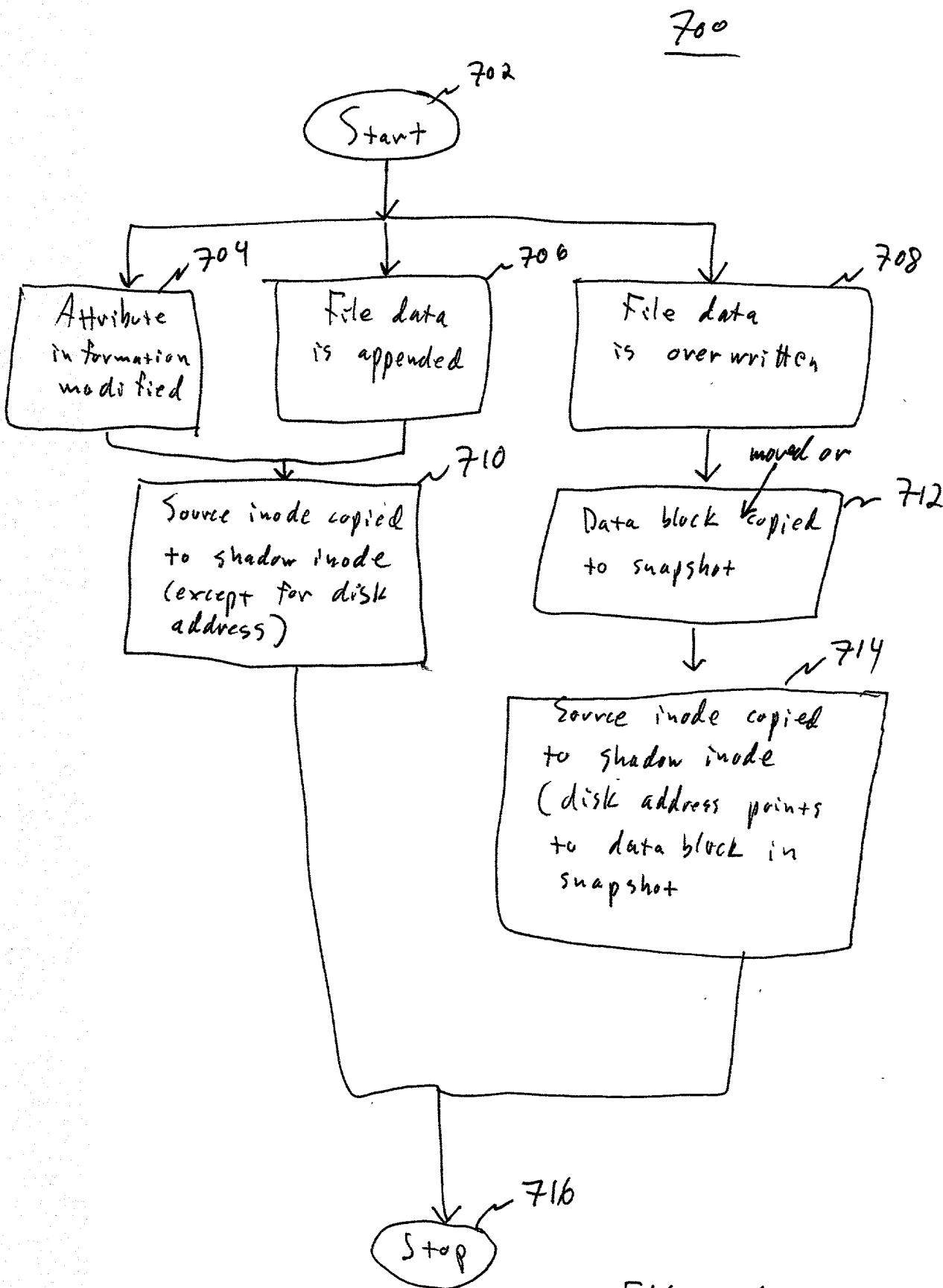


FIG. 7A

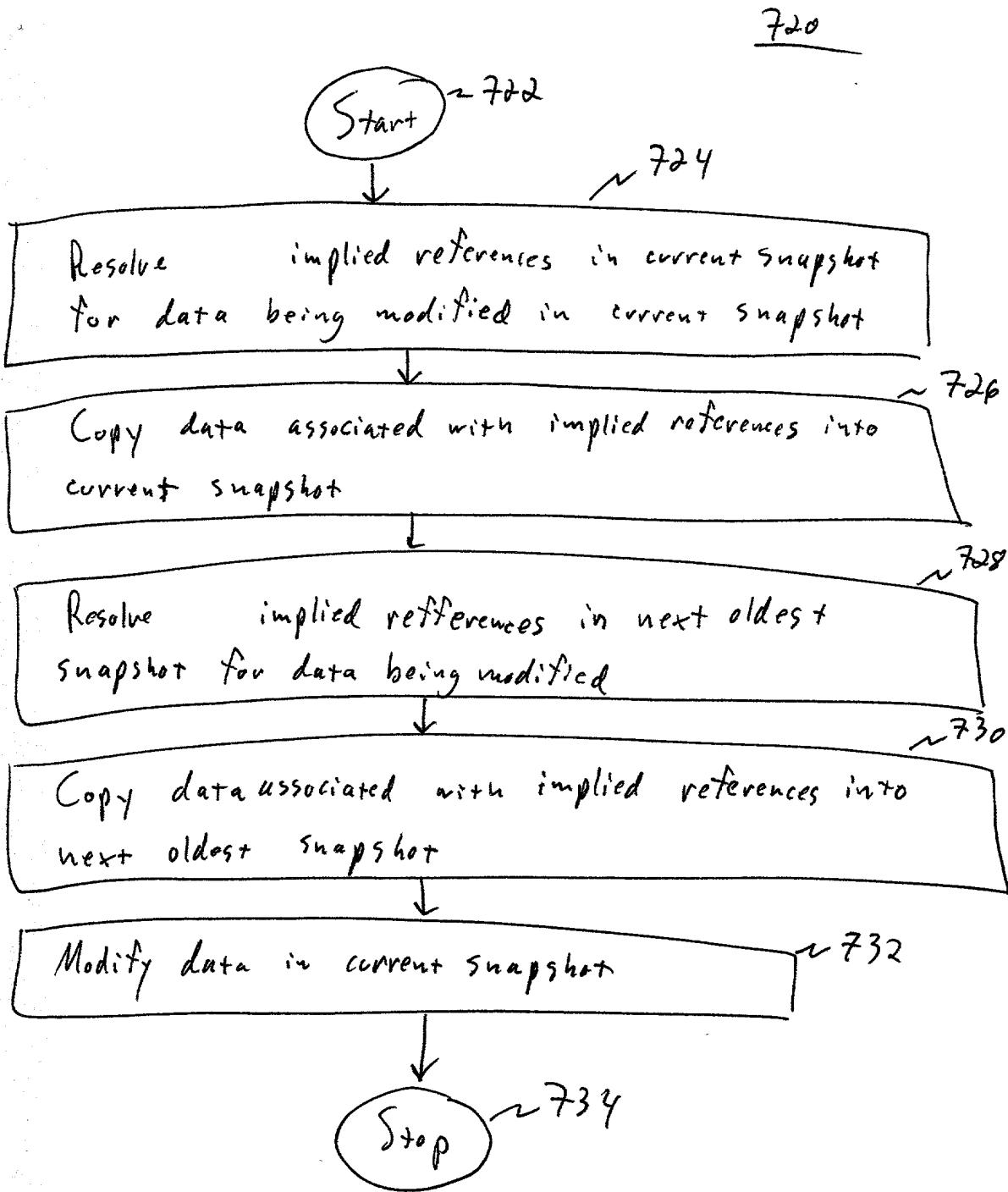


FIG. 7B

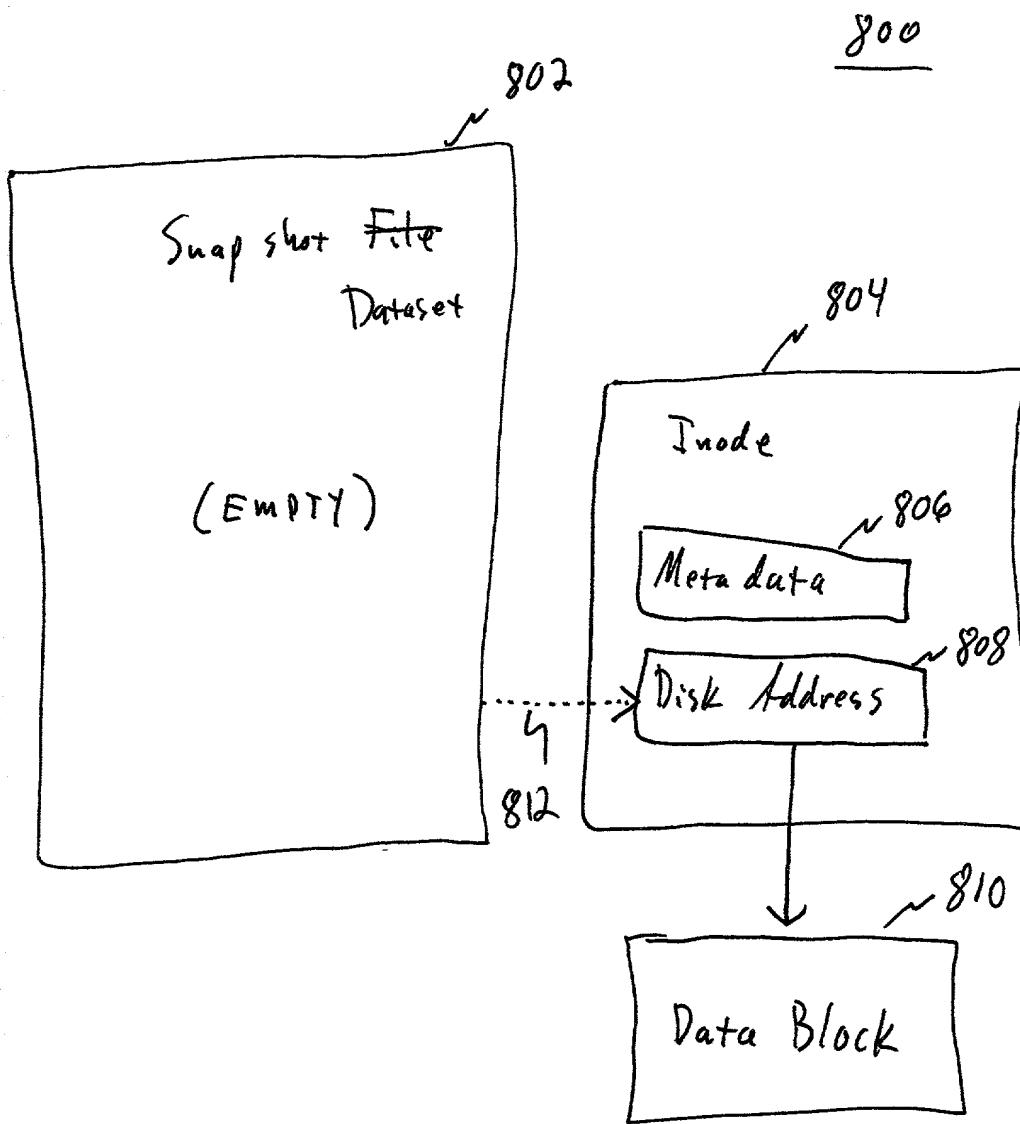


FIG. 8A

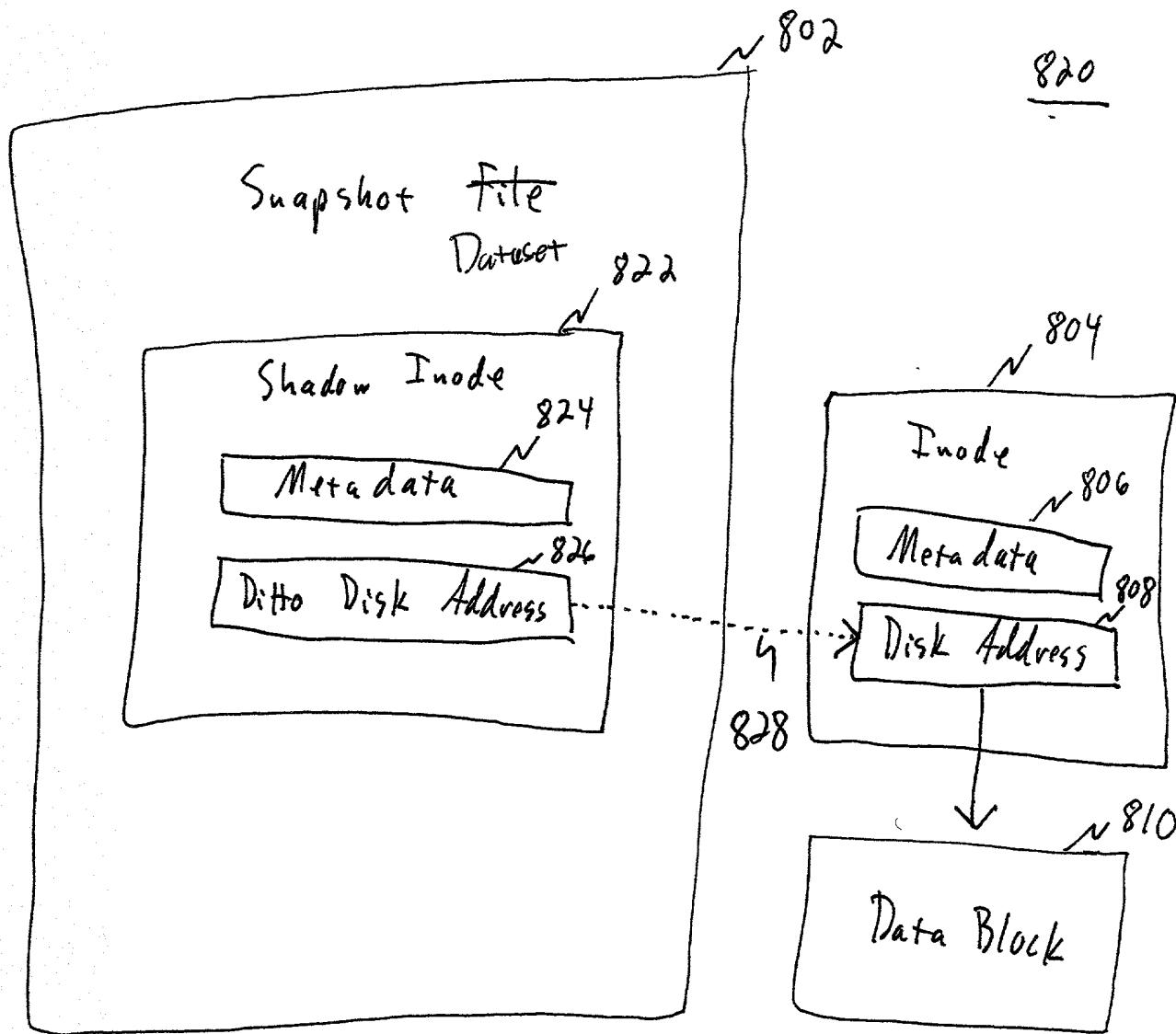


FIG. 8B

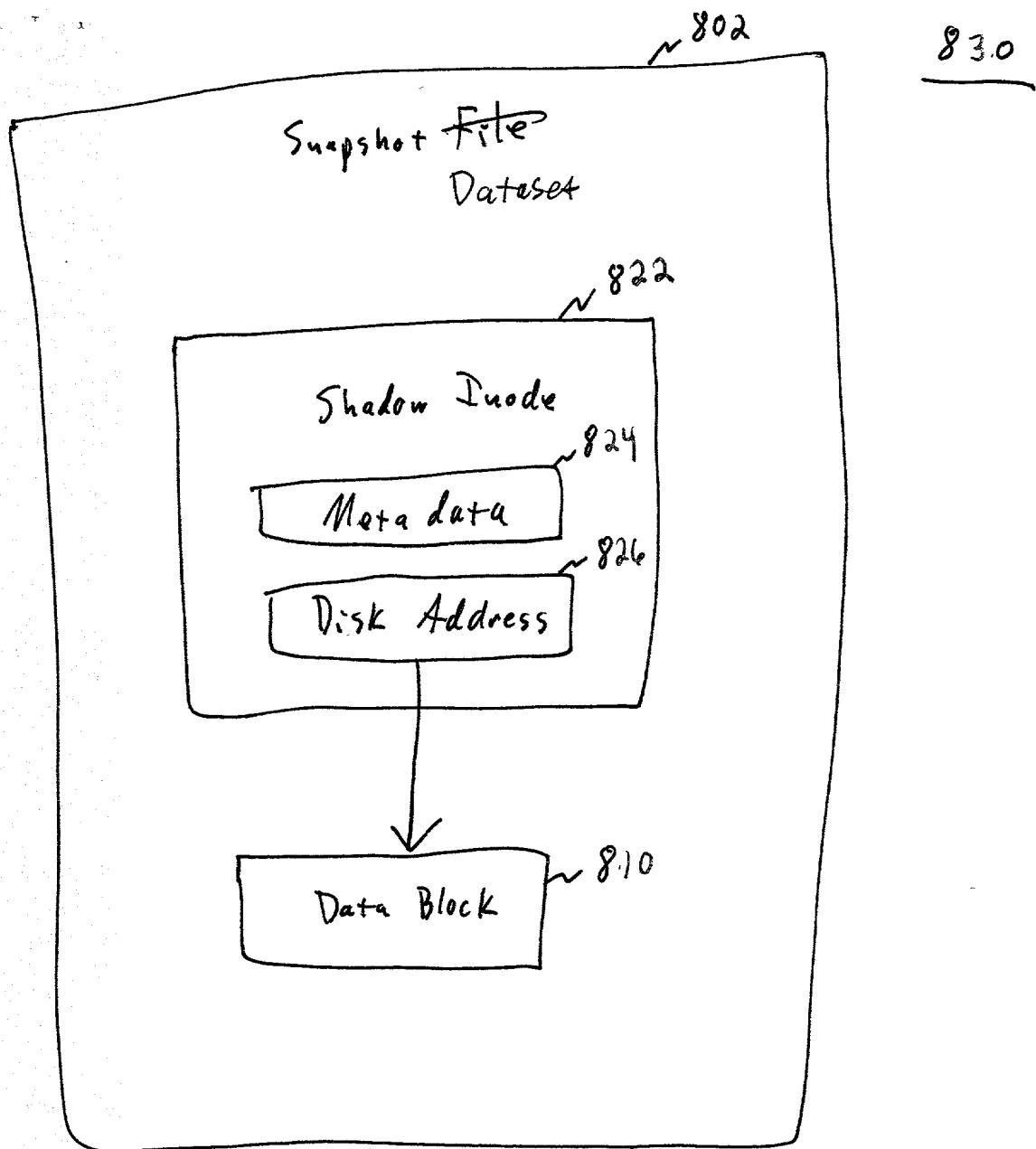


FIG. 8C

840

~802

## Snapshot File Dataset

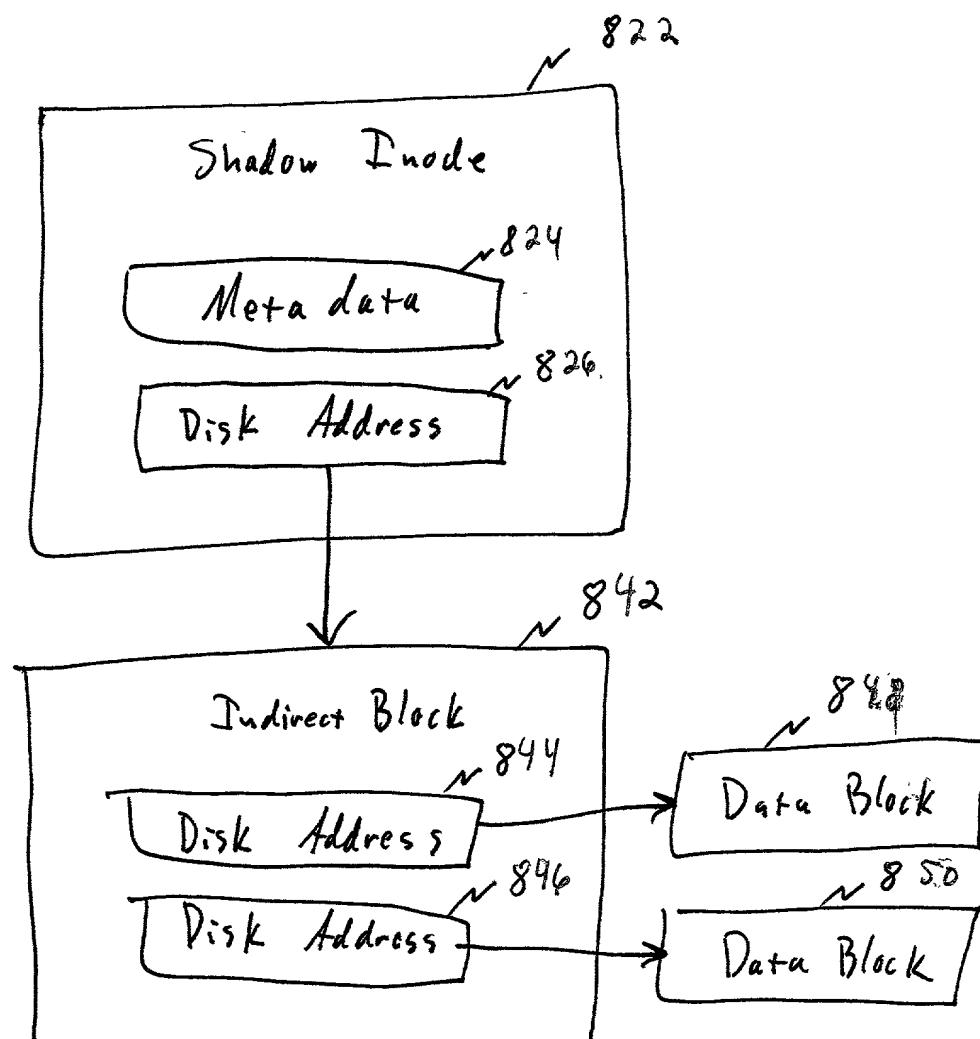


FIG. 8D

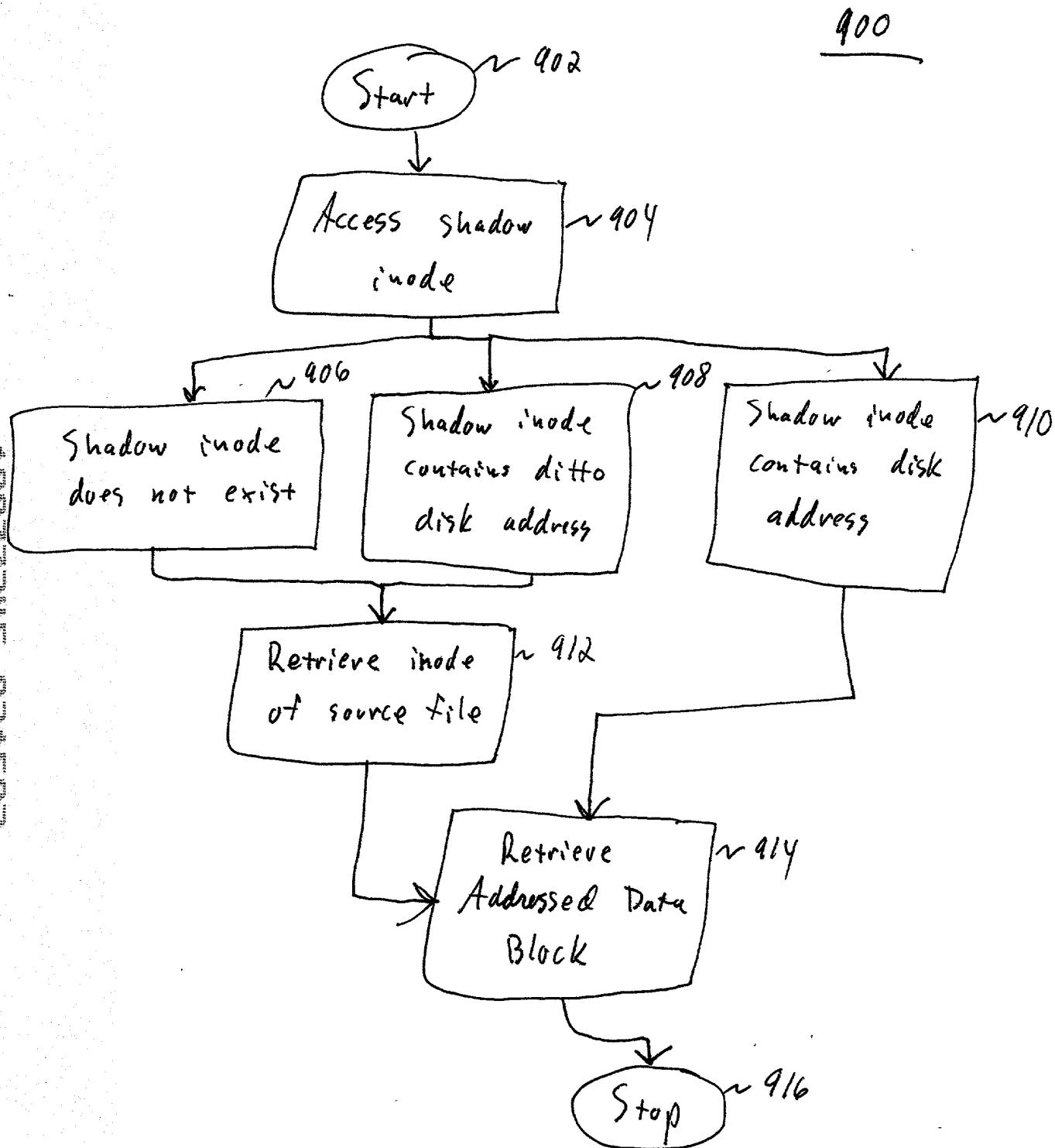


FIG. 9

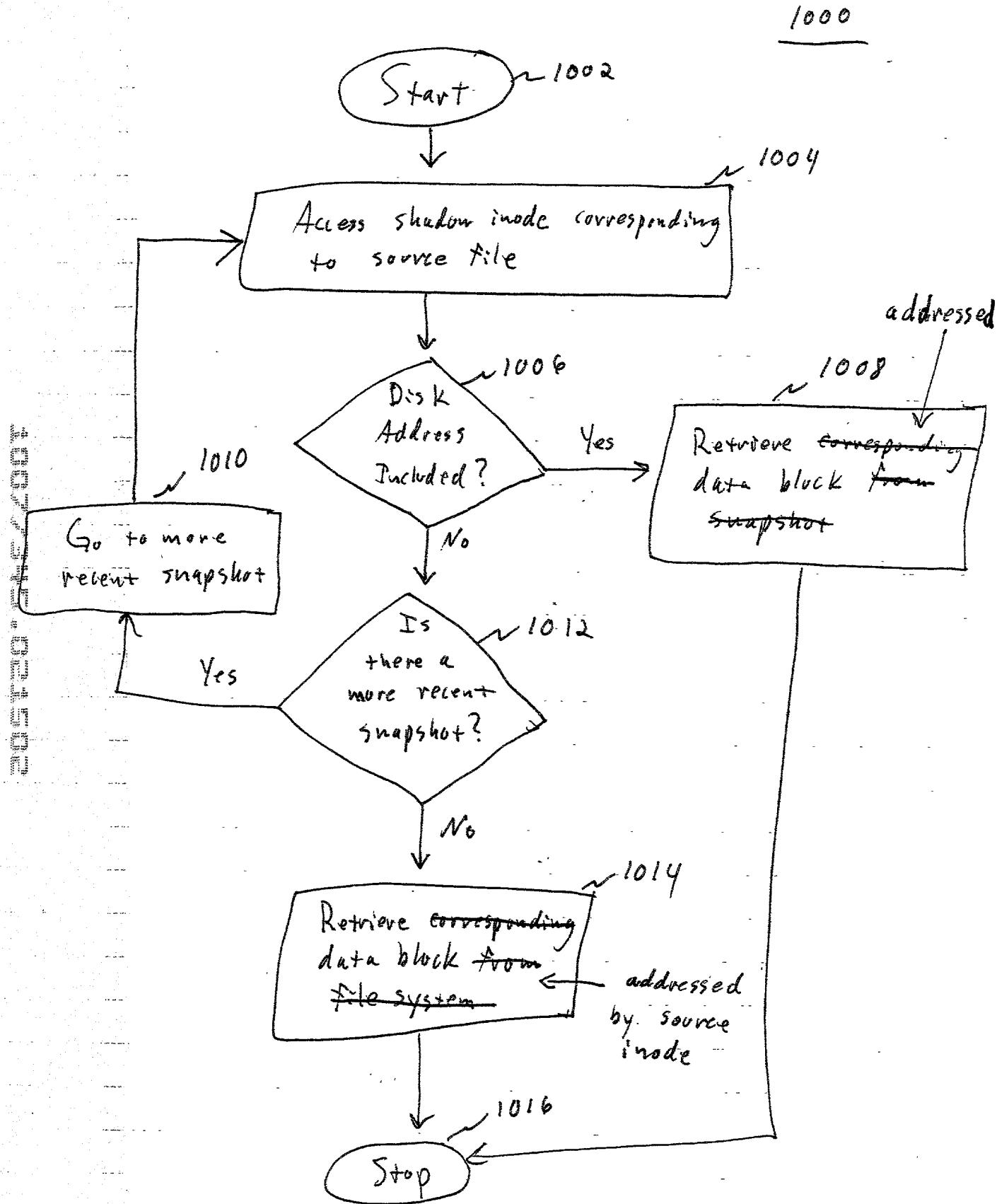


FIG. 10

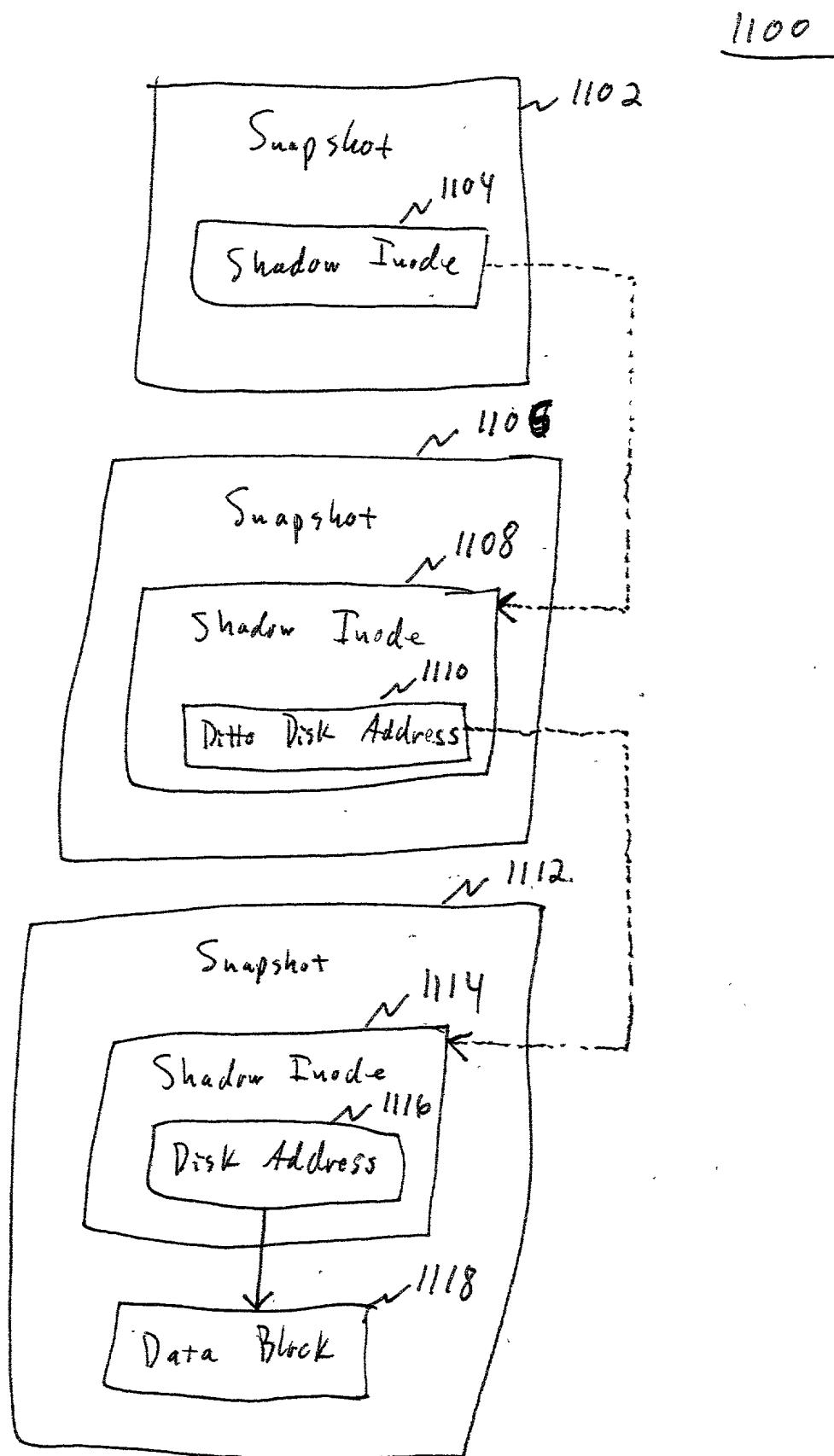


FIG. 11.

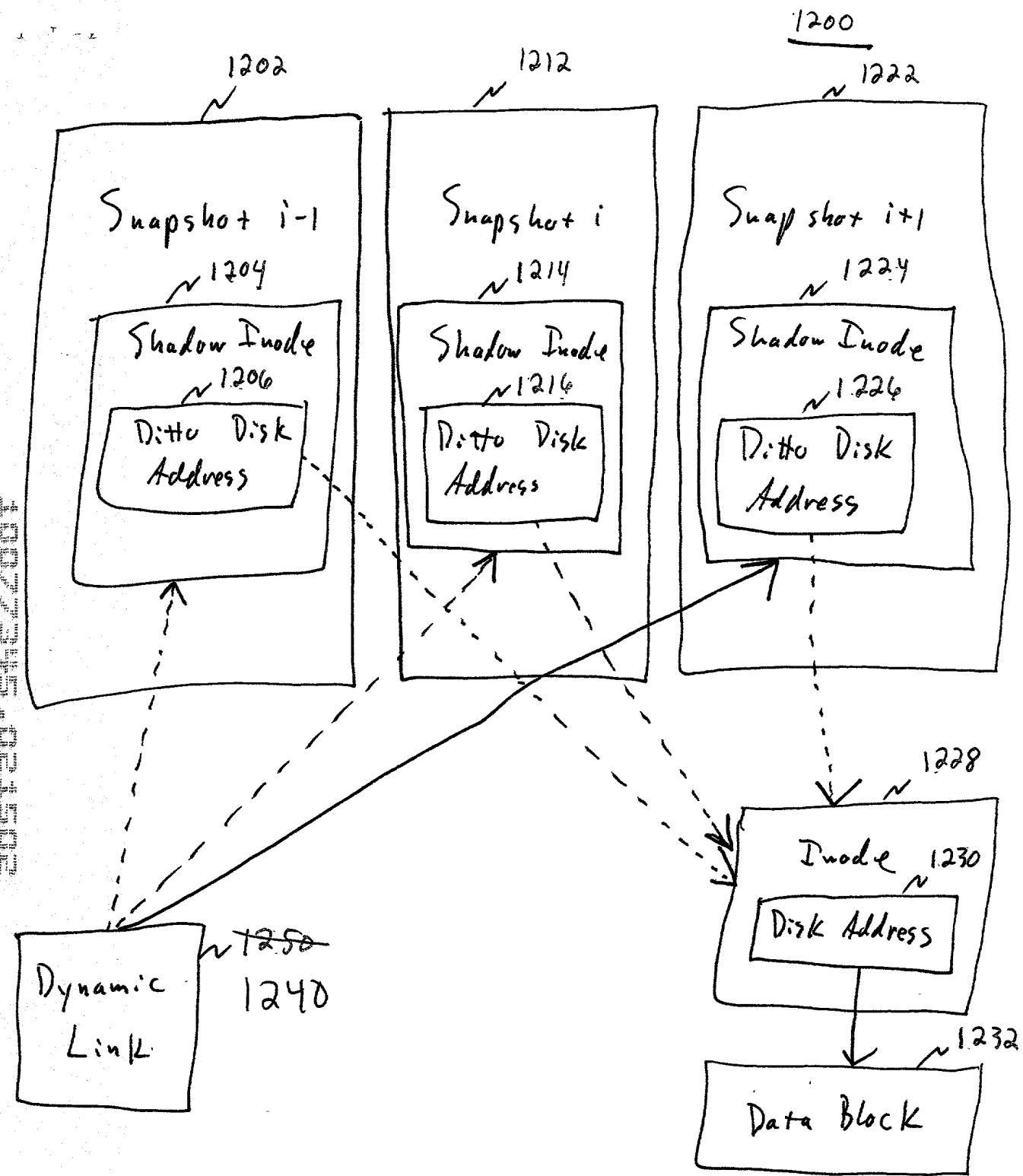


FIG. 12A

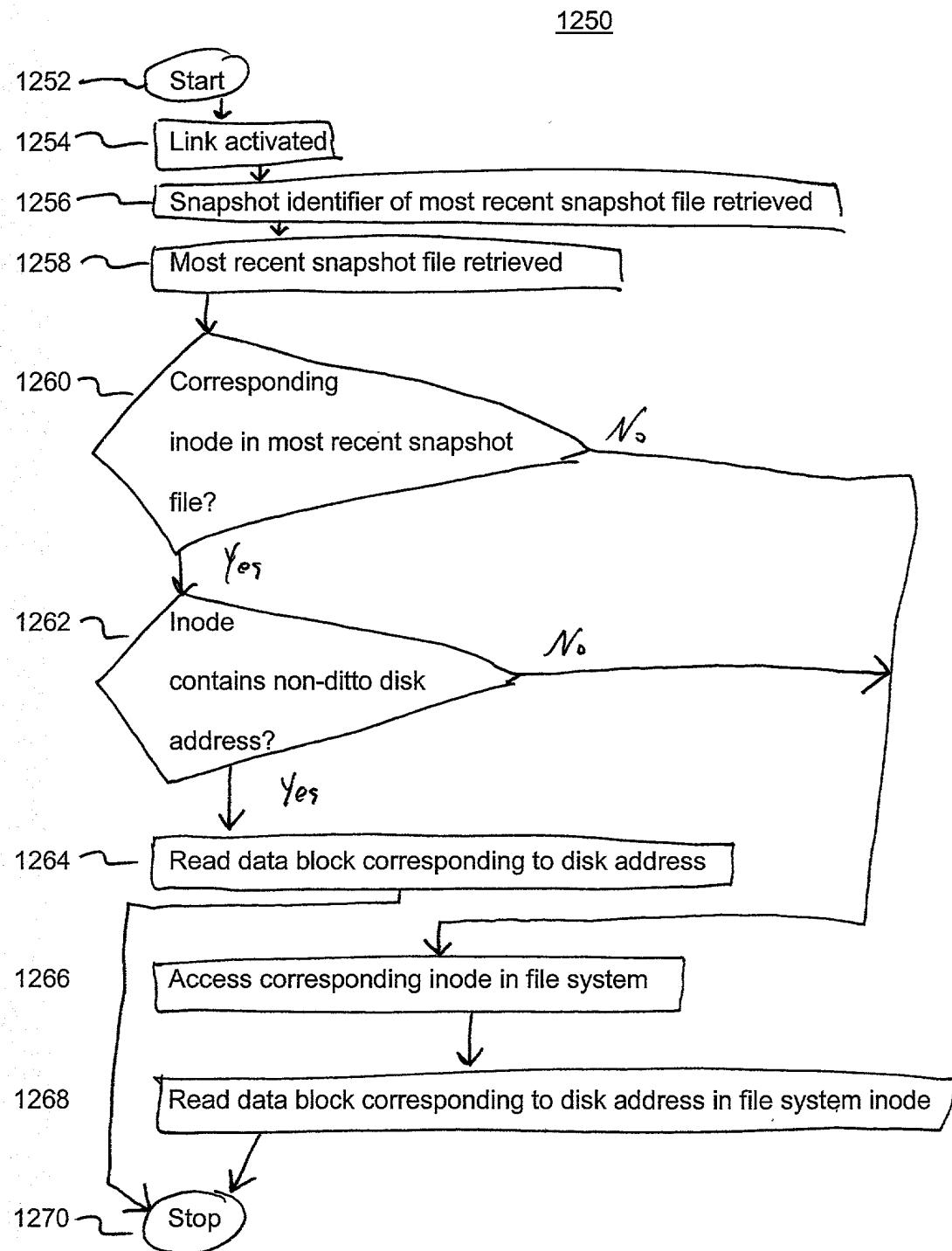


FIG 12B

1300

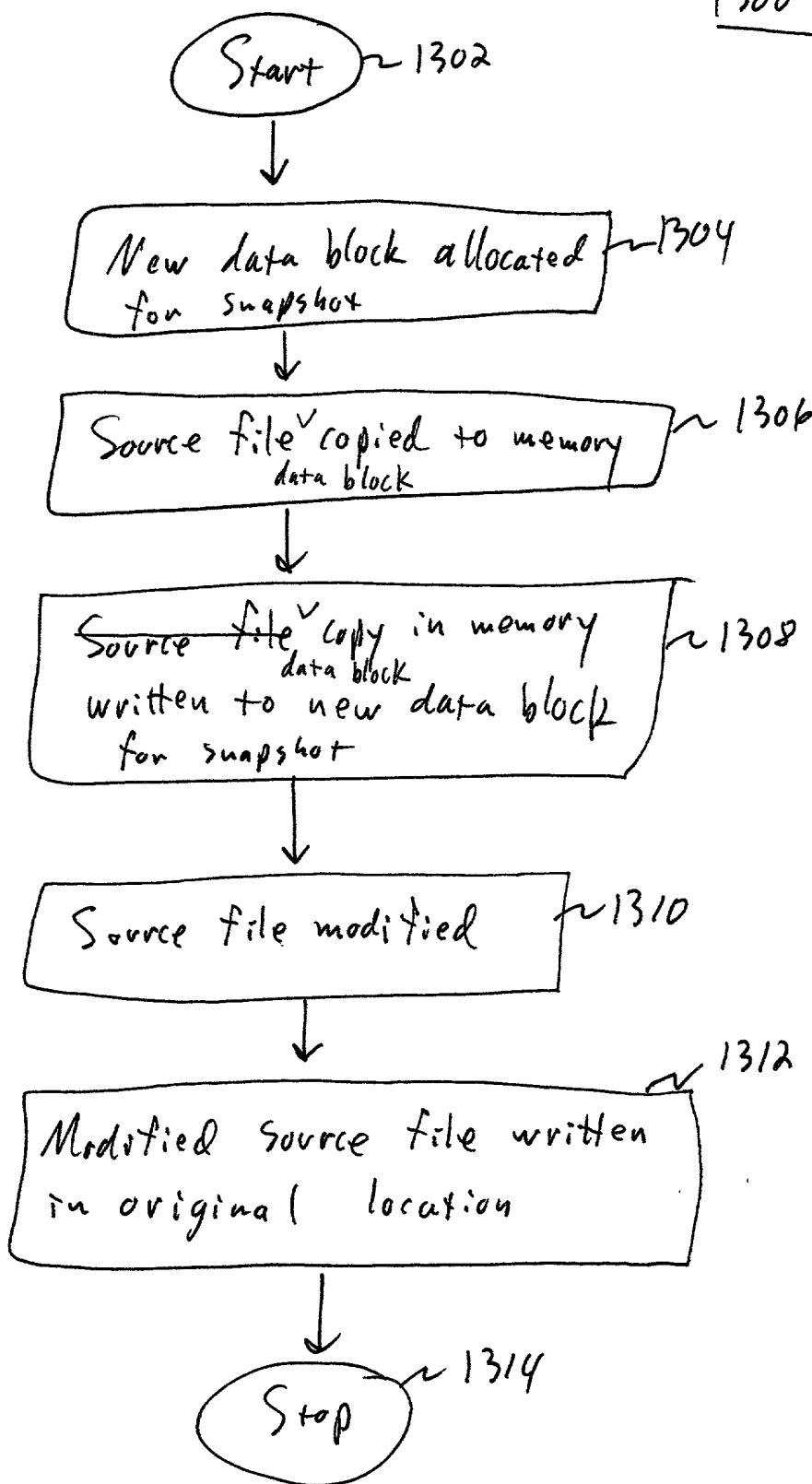


FIG. 134

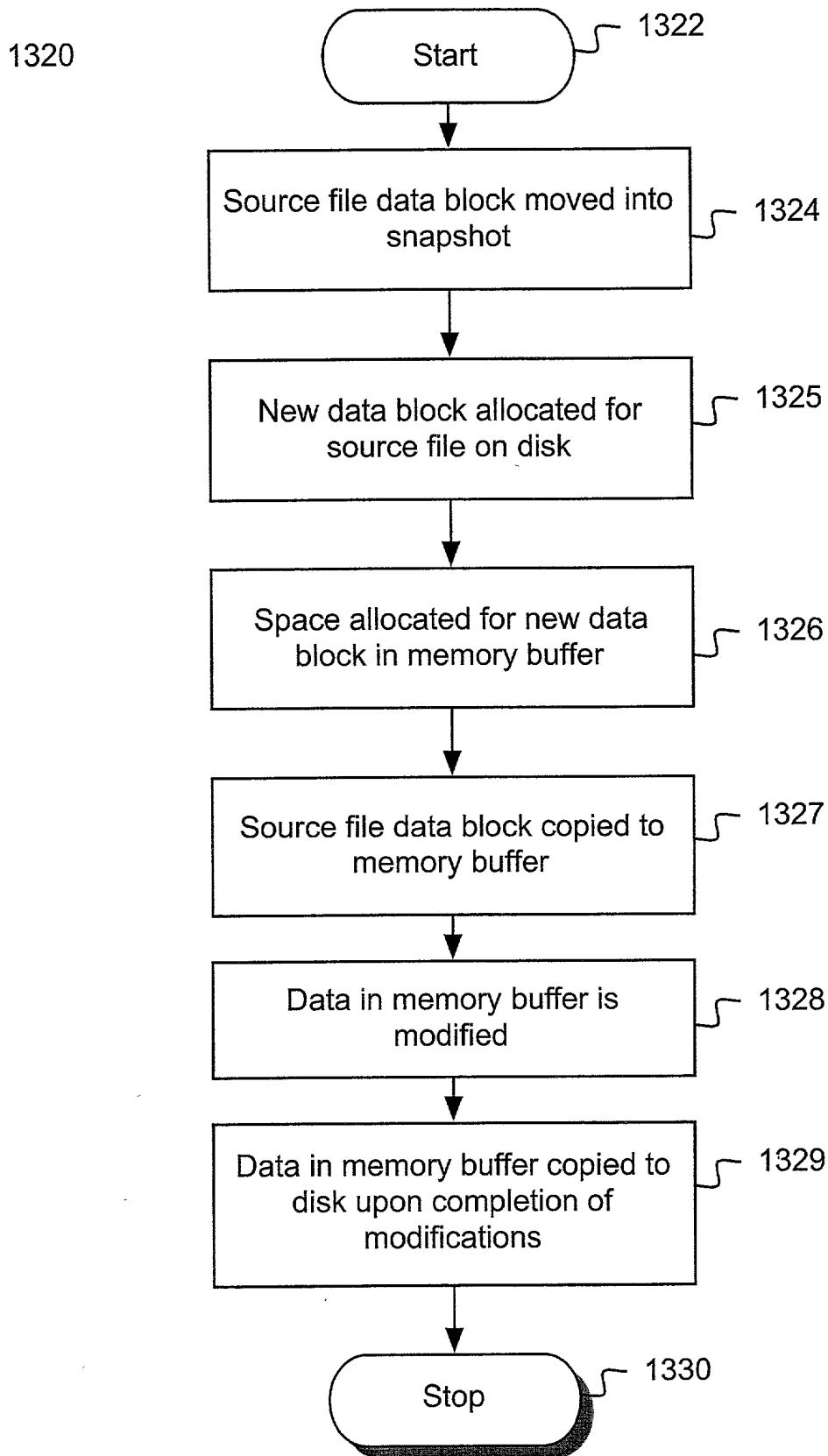


FIG 13B

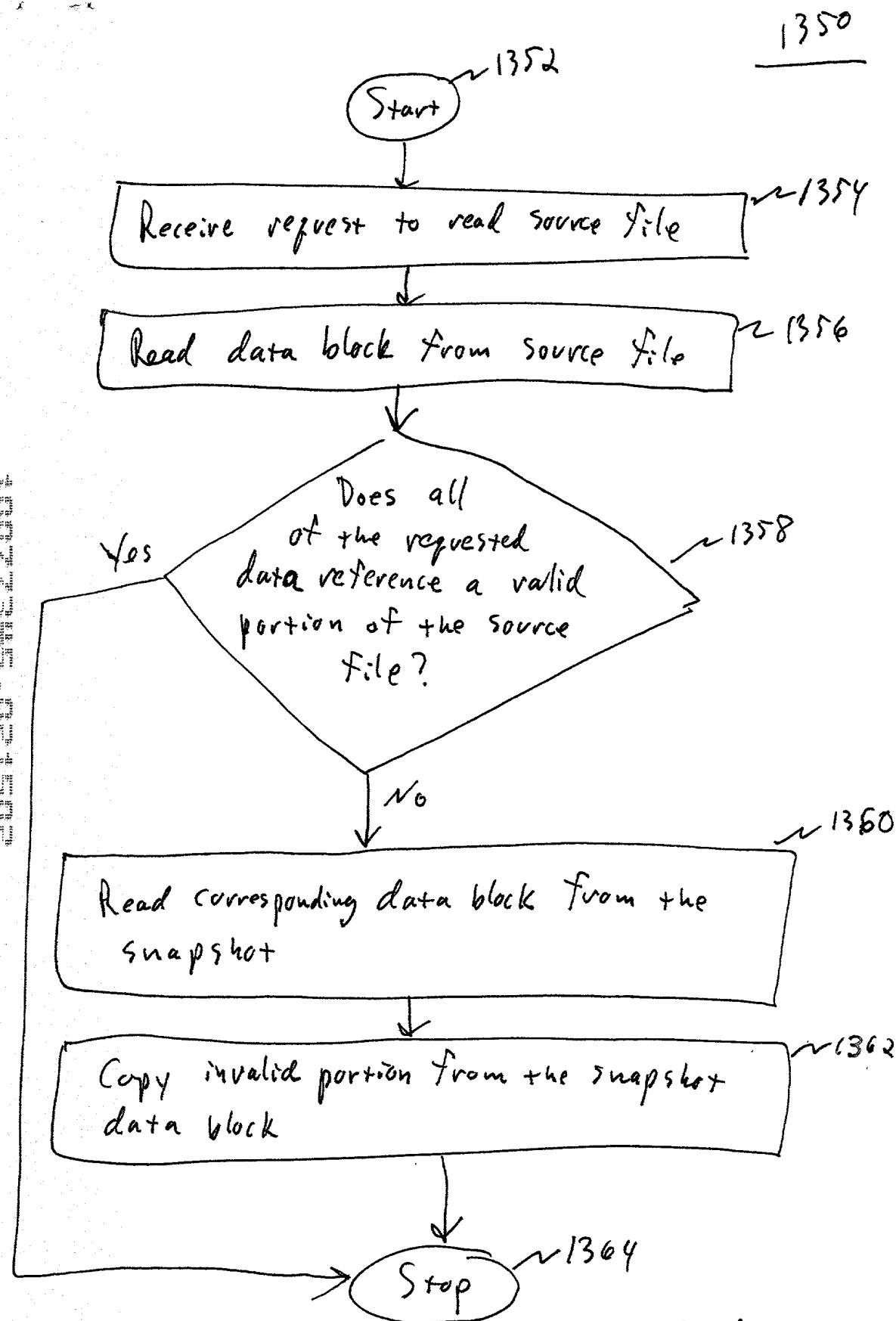


FIG. 13C

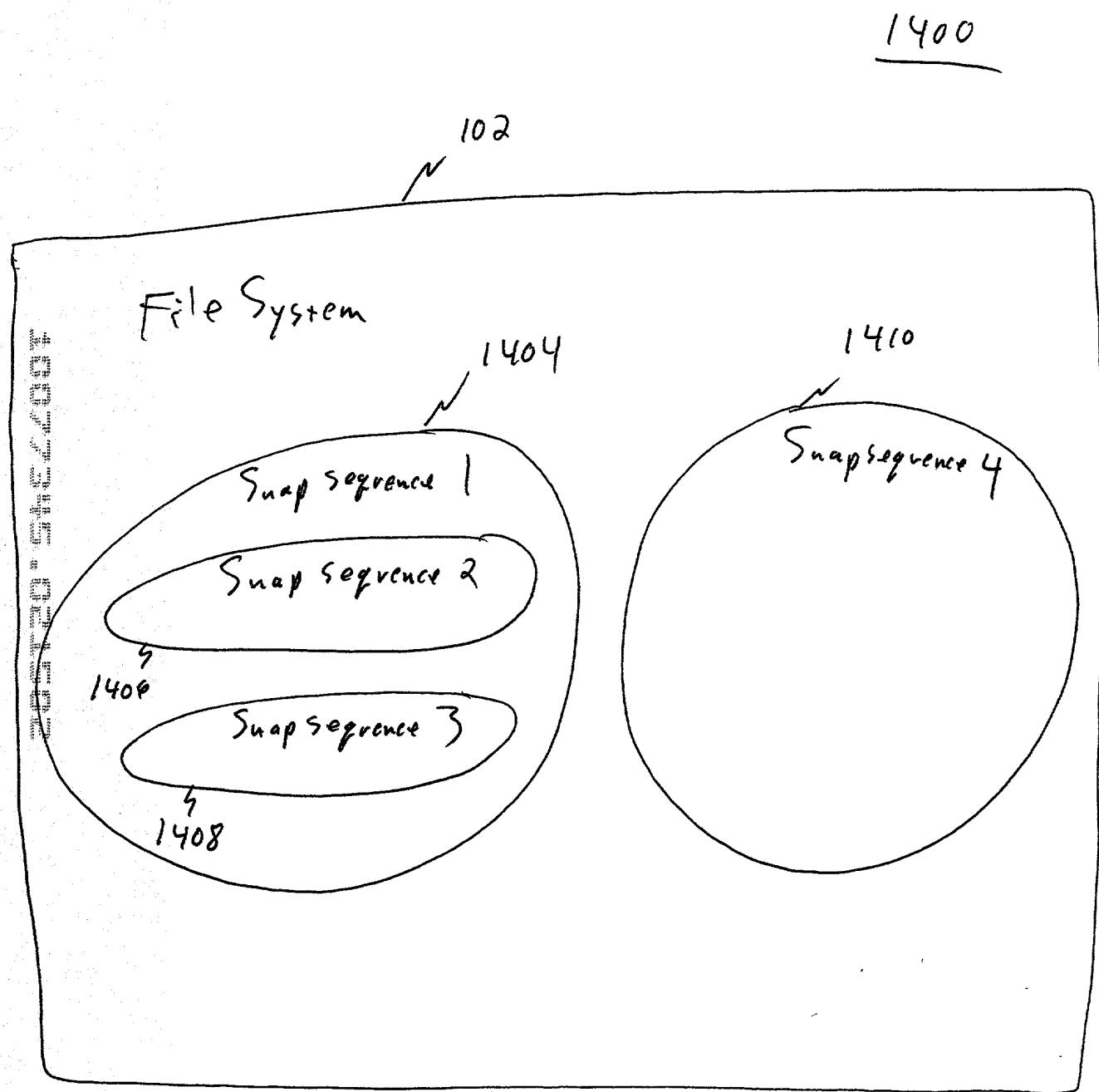


FIG. 14 A

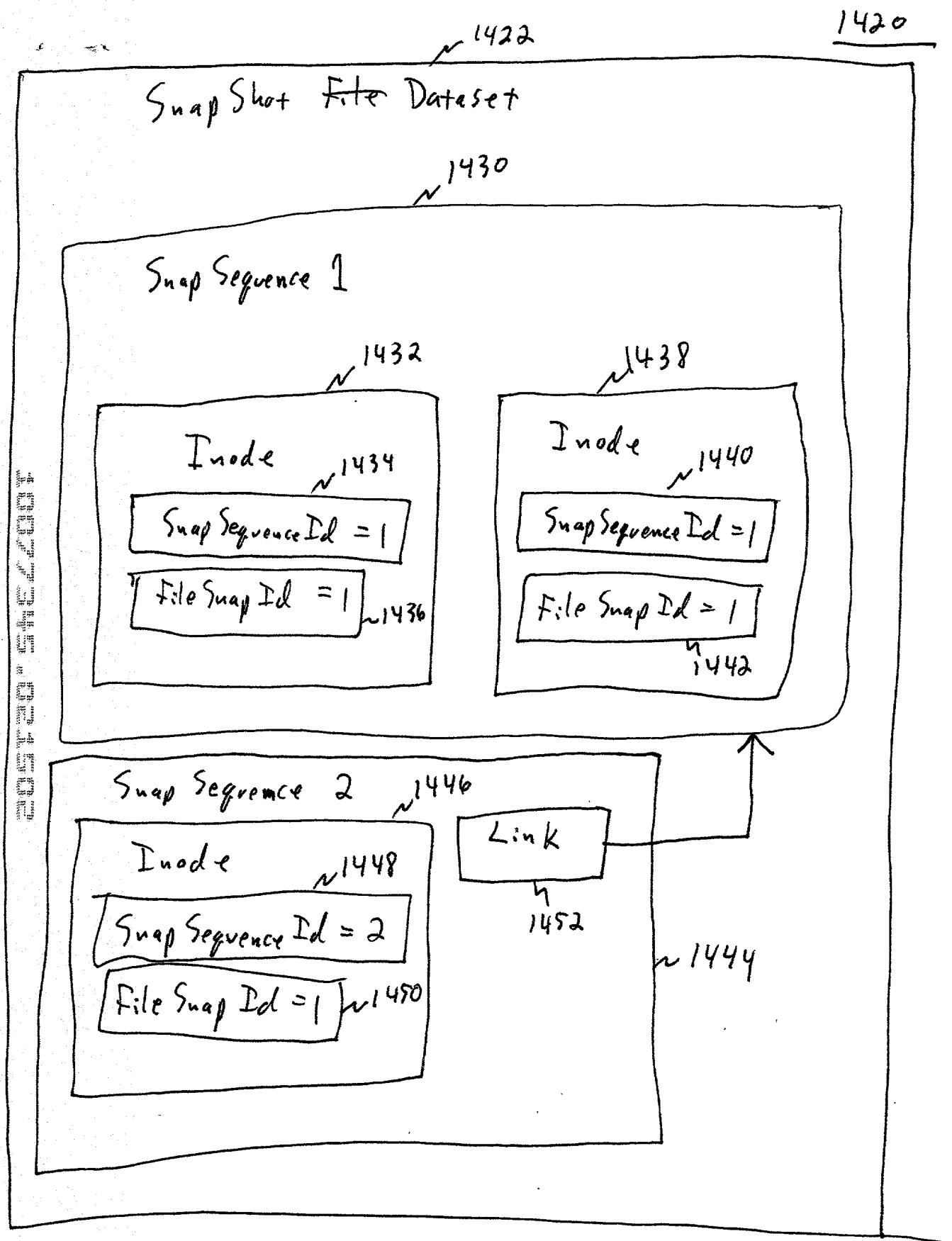


FIG. 14B

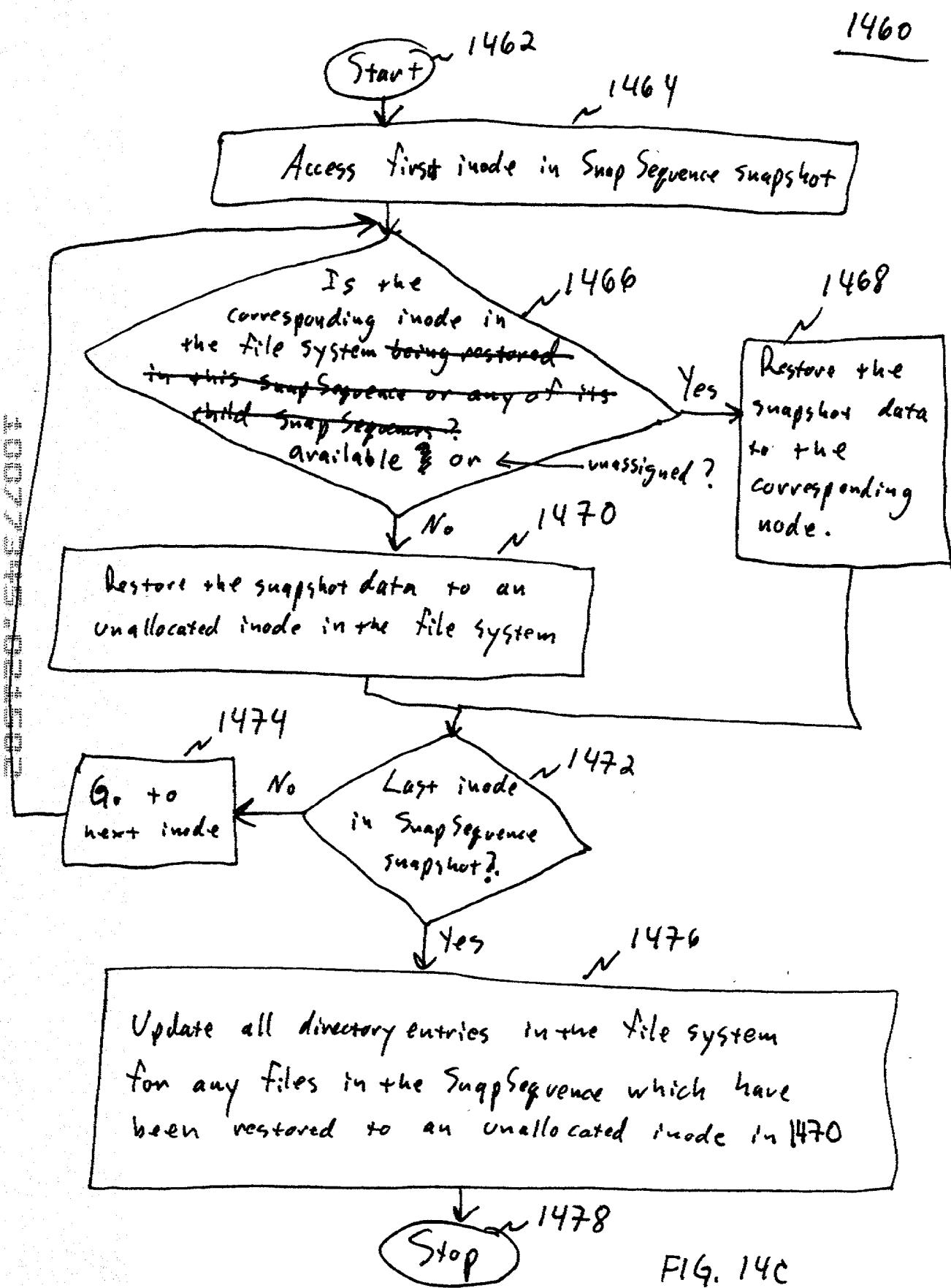


FIG. 14C

1500

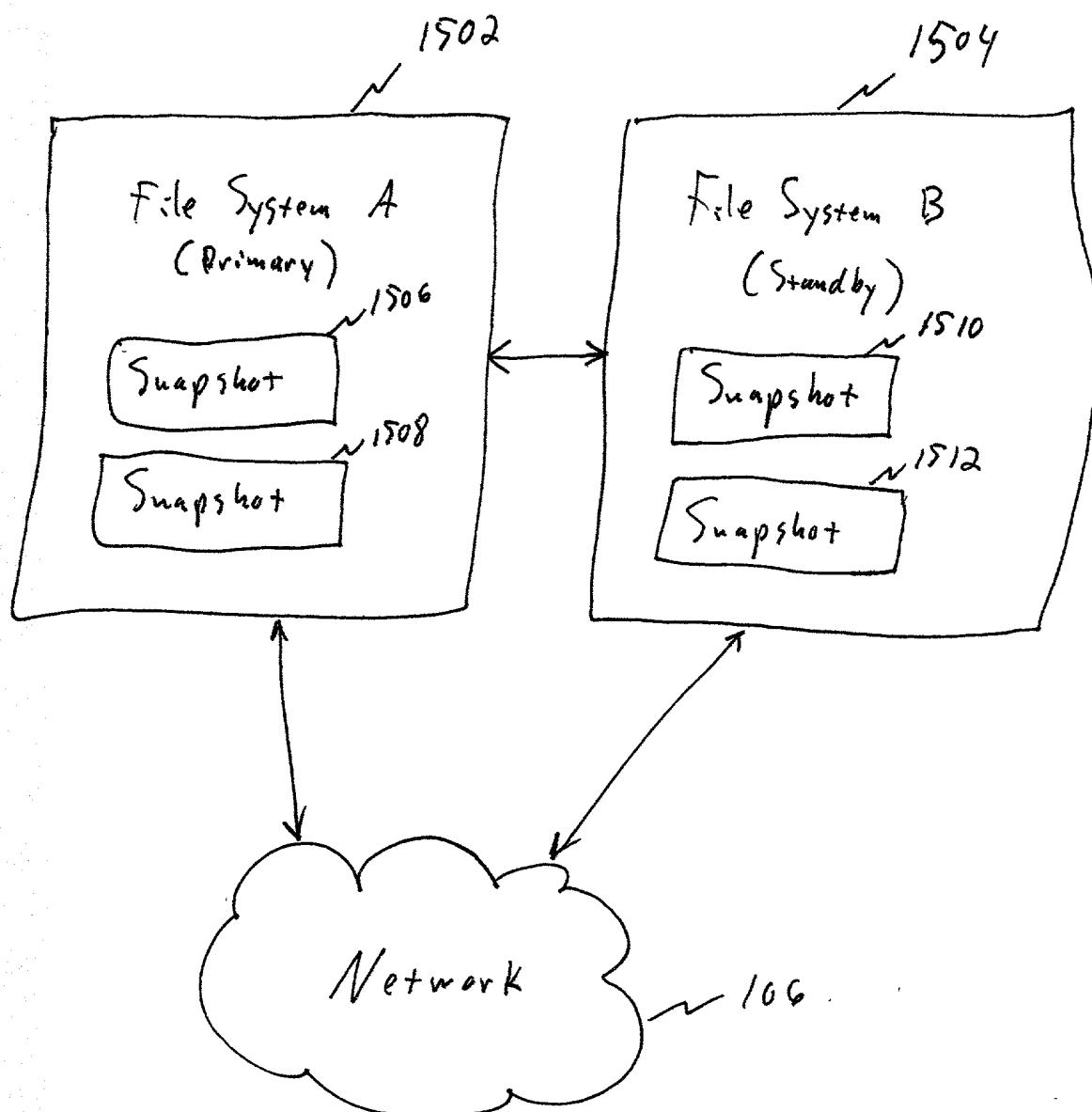


FIG. 15A

1520

1522

Start

1524

File system A (primary/source file system) initialized

File system B (standby/target file system) initialized

1526

A takes snapshot 0

1528

B restores snapshot 0

1530

B takes snapshot 0

1532

A takes snapshot 1

1534

A generates set of changes between snapshot 0

and snapshot 1

1536

B receives and applies changes

1538

B takes snapshot 1

1540

Stop

FIG. 15 B

1540

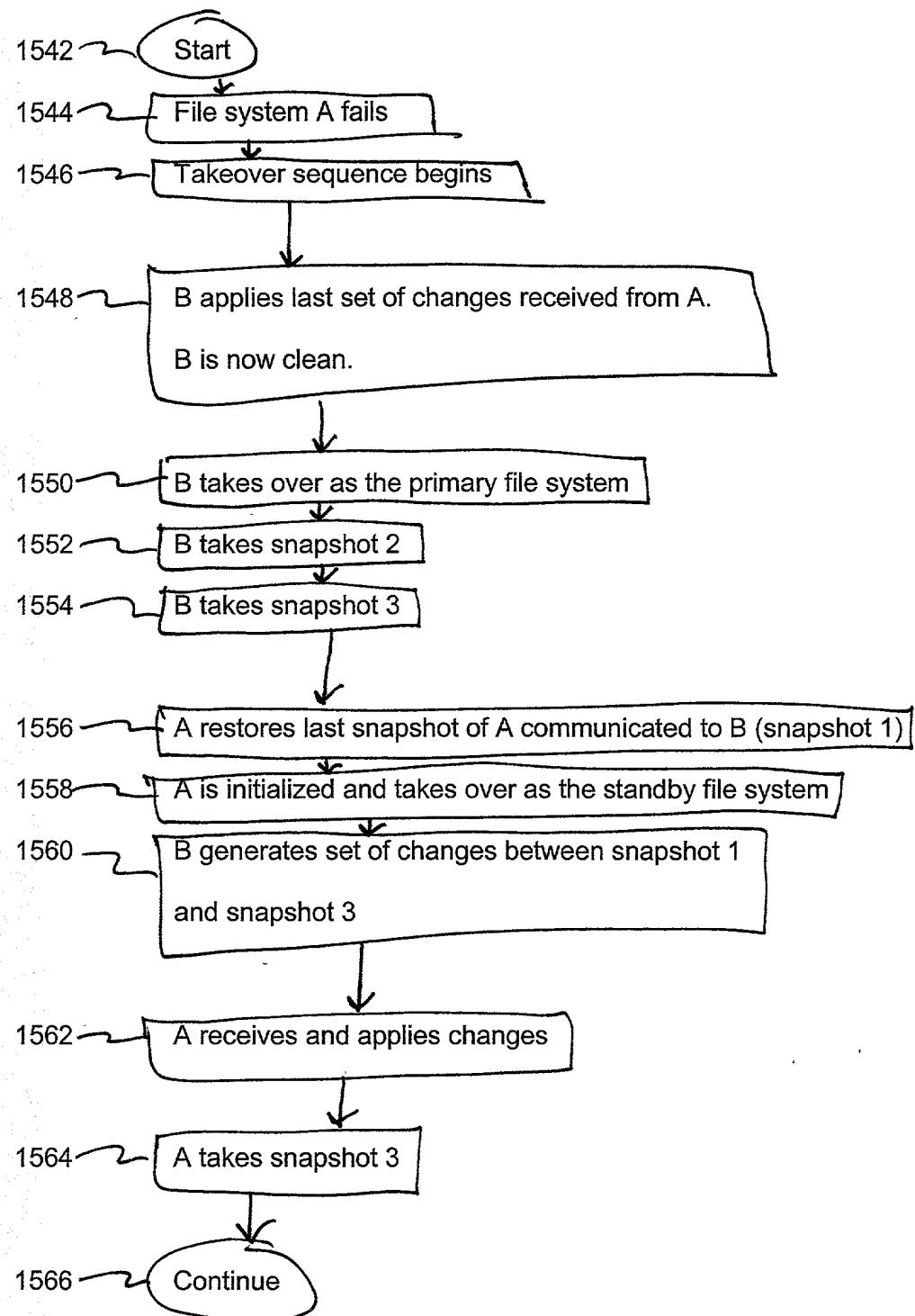


FIG. 15c

1590

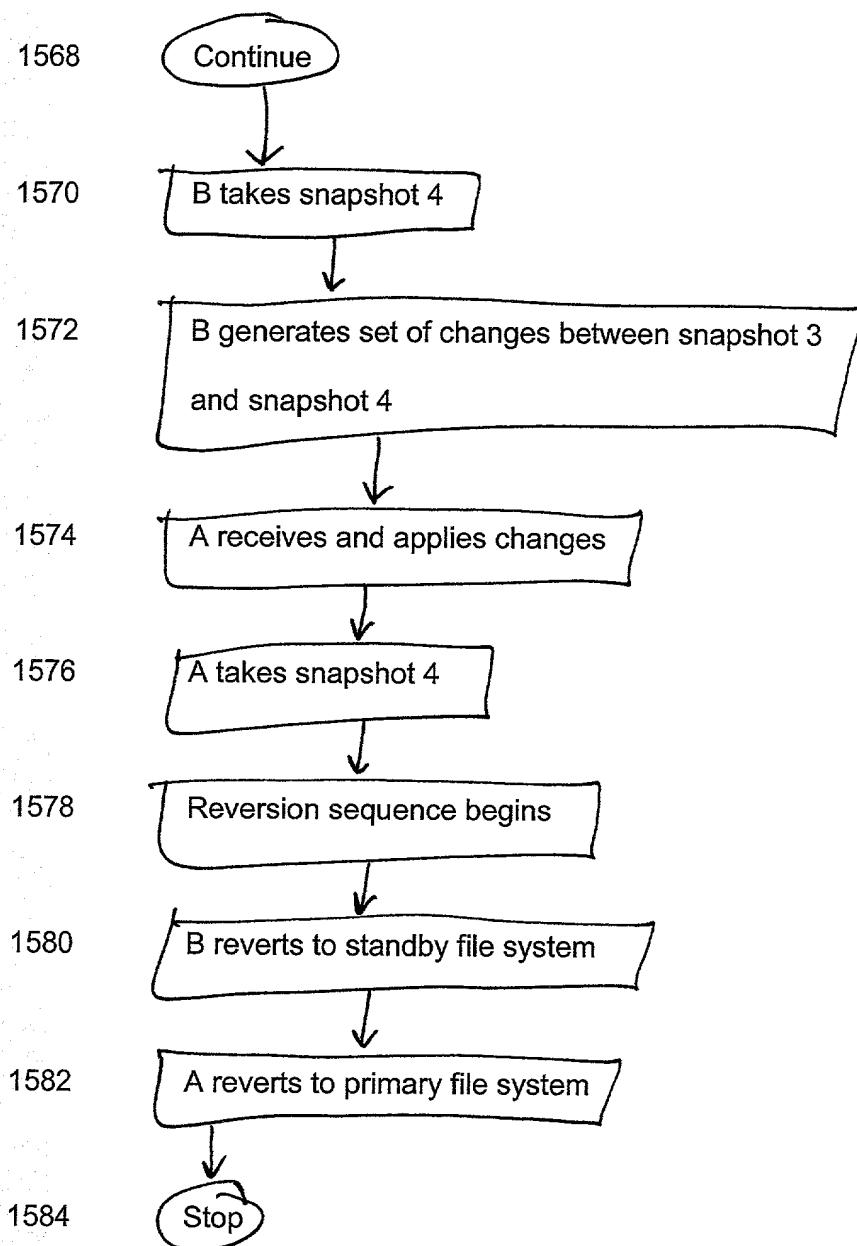
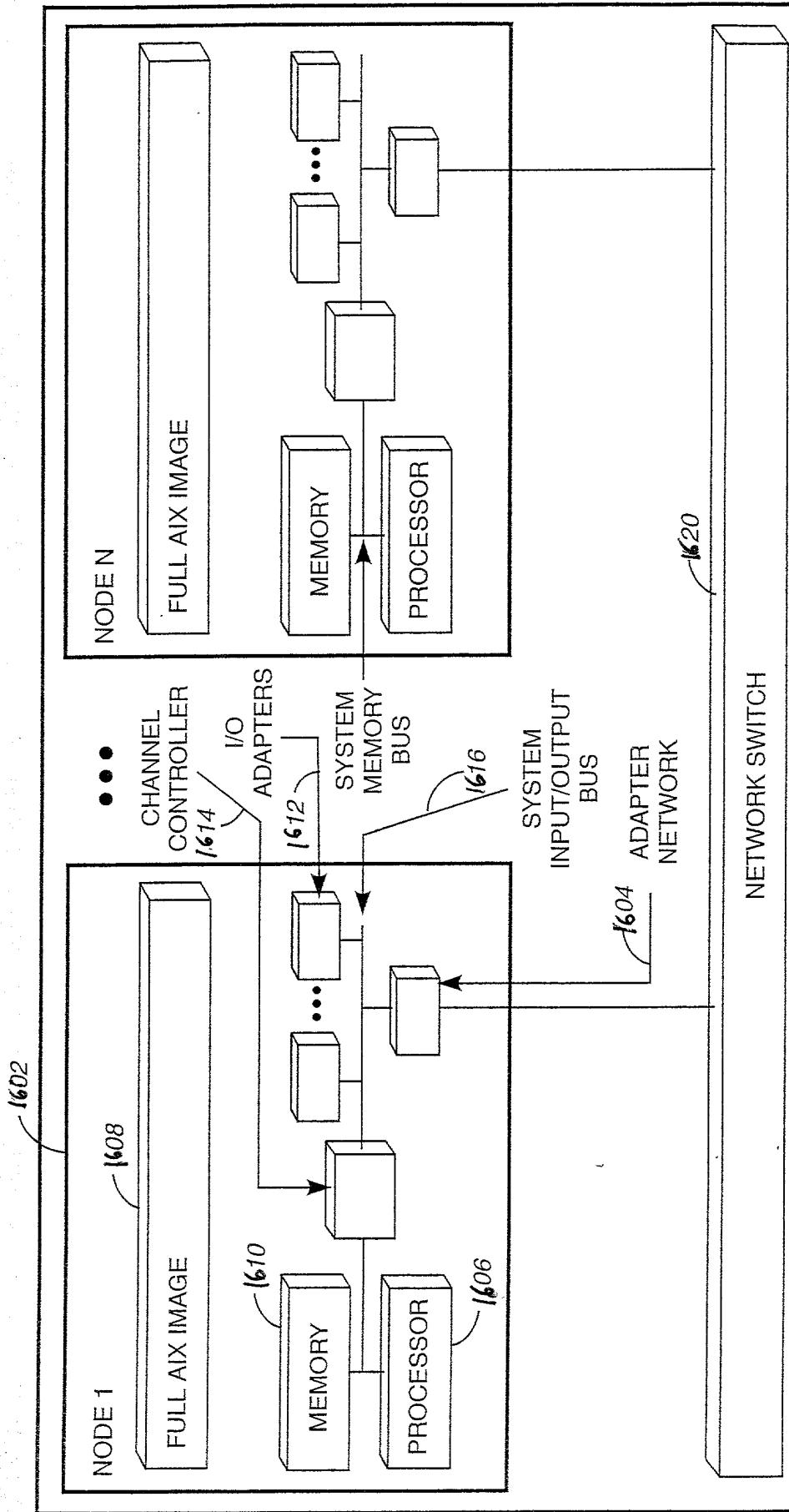


FIG. 15D



**FIG. 16**

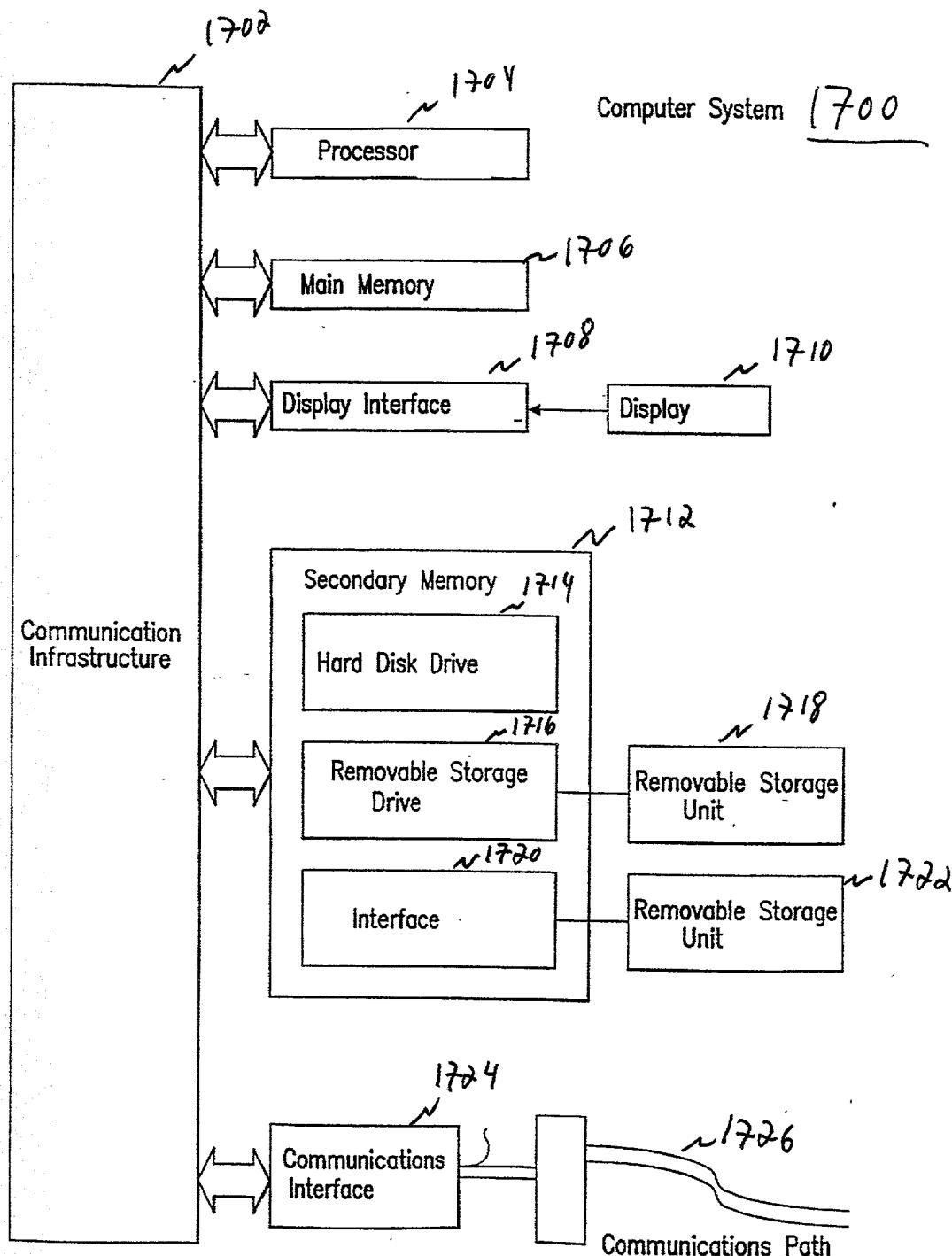


FIG. 17